

**FINAL
ENVIRONMENTAL ASSESSMENT AND
FINDING OF NO SIGNIFICANT IMPACT**

**SECURITY FORCES STORAGE BUILDING
HANSCOM AFB
LEXINGTON, MASSACHUSETTS**

Prepared for:



**United States Air Force
Hanscom Air Force Base, Massachusetts**

Prepared by:

**Advanced Environmental Solutions, Inc.
90 Madison Street, Suite 303
Worcester, MA 01608-2030**

April 2004

| Report Documentation Page | | | Form Approved OMB No. 0704-0188 | | |
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| 1. REPORT DATE 17 FEB 2005 | 2. REPORT TYPE | 3. DATES COVERED 00-00-2005 to 00-00-2005 | | | |
| 4. TITLE AND SUBTITLE Final Environmental Assessment and Finding of No Significant Impact: Security Forces Storage Building Hanscom AFB Lexington, Massachusetts | | | 5a. CONTRACT NUMBER | | |
| | | | 5b. GRANT NUMBER | | |
| | | | 5c. PROGRAM ELEMENT NUMBER | | |
| 6. AUTHOR(S) | | | 5d. PROJECT NUMBER | | |
| | | | 5e. TASK NUMBER | | |
| | | | 5f. WORK UNIT NUMBER | | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Advanced Environmental Solutions, Inc, 90 Madison Street, Suite 303, Worcester, MA, 01608-2030 | | | 8. PERFORMING ORGANIZATION REPORT NUMBER | | |
| 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) | | | 10. SPONSOR/MONITOR'S ACRONYM(S) | | |
| | | | 11. SPONSOR/MONITOR'S REPORT NUMBER(S) | | |
| 12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited | | | | | |
| 13. SUPPLEMENTARY NOTES | | | | | |
| 14. ABSTRACT | | | | | |
| 15. SUBJECT TERMS | | | | | |
| 16. SECURITY CLASSIFICATION OF: a. REPORT b. ABSTRACT c. THIS PAGE unclassified unclassified unclassified | | | 17. LIMITATION OF ABSTRACT Same as Report (SAR) | 18. NUMBER OF PAGES 48 | 19a. NAME OF RESPONSIBLE PERSON |



Engineering Services Incorporated

13 April 2004

MEMORANDUM FOR: Pamela Rodgers
66 MSG/CE, Del-Jen, Inc.
120 Grenier Street
Hanscom AFB, MA 01731

FROM: 66 MSG/CEKV Environmental Branch (MaraTEch)

SUBJECT: Environmental Assessment (EA) for Security Forces Storage Building

1. Please see the following deliverable:

Attached is the Draft copy of Project Work: MXRD 03 0112, EA for Security Forces Storage Building, F19650-02-D-0010/ Delivery Order 24.

2. This office has conducted several reviews of the subject document, coordinated with appropriate organizations, and performed site visits. The consultant properly incorporated our comments. The subject document meets the criteria as described in **Para 1.6.4.4.**

3. If you have any questions or comments please contact me at x4667.

Respectfully Submitted,

Christopher S. Simpson

CHRISTOPHER S. SIMPSON, REM



DEL-JEN, INC.

08-1-3-52

Rec'd from PMA
4/26/04

Hanscom AFB Office
120 Grenier Street
Bldg 1810
Hanscom AFB, MA 01731

April 14, 2004
Document Control No. 04-0451

Mr. Peter J. Izzo
Chief and Contracting Officer
ESC/PKOC
Building 1305
Hanscom AFB, MA 01731-2800

Subject: Environmental Assessments for Security Forces Storage Building and Dog Kennel
F19628-02-D-0010, Delivery Orders 24 and 44, respectively

Dear Mr. Izzo:

Enclosed are the Draft Environmental Assessments for the referenced Delivery Orders.

So as not to delay the project, Del-Jen's subcontractor has prepared the Finding of No Significant Impact statement for Mr. Perkins' signature. However, we firmly believe that responsibility, as Environmental Managers for Hanscom AFB, belongs to Del-Jen.

The matter of Government versus Contractor responsibility in the Environmental area has been a problem for some time and the subject of several meetings over the last year between Del-Jen and the Government. The roles and responsibilities need to be clearly defined and addressed both practically and contractually. Failure to do so may impact execution of both Engineering and Environmental projects.

Sincerely,

Pamela Rodgers

Pamela Rodgers
Contract Administrator

FYI: The following files/reports have been returned to us by Don Morris for filing. L

- FONSI for the Security Forces Dog Kennel (28-1-3-51)
- FONSI for Security Forces Storage Bldg with a Stormwater Management Report (28-1-3-52)
- CAA Cost and Compliance Assessment (25-1-2)

*Laurie Weinacht, Contractor
66 MSG/CEV (MaraTech)
Commuter Program Manager
781-377-2904
Fax 781-377-8545*

*GREG
PLEASE HAND
DELIVER THESE TO
LAURIE FOR FILING
IN B1825.
THANKS
DON*

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SECTION 1.0

INTRODUCTION

1.1 Purpose and Need

This Environmental Assessment has been prepared by Advanced Environmental Solutions, Inc. (AES) to evaluate potential impacts associated with the proposed construction of the Security Forces Storage Building located south of existing Building 1444, at the northern end of Hamilton Street in the eastern portion of the Hanscom Air Force Base (HAFB) Installation, Lexington, Massachusetts. The Site location map is included in Appendix A. The proposed Storage Building will be utilized to house security forces vehicles (e.g., all-terrain vehicles [ATVs] and forklift) and mobilization equipment scheduled for delivery to the 66th Security Forces Squadron in 2004. The building will also contain office space and possibly one bathroom.

1.2 Authority

The Environmental Assessment was prepared under the *National Environmental Policy Act of 1969, as amended*, and all other applicable federal environmental regulations. The document meets the provisions of *Air Force Instruction 32-7061*, effective 24 January 1995, implementing the tasks and procedures for the Air Force Environmental Impact Analysis Process (EIAP). Construction of the Security Forces Storage Building will be completed using Department of Defense (DoD) funds.

SECTION 2.0

ALTERNATIVES

2.1 No Action

The purpose of the proposed Storage Building is to store vehicles and equipment scheduled for delivery to the 66th Security Forces Squadron in 2004. Without construction of the proposed storage building, the Squadron will be without a proper facility in which to store the equipment scheduled for delivery in 2004. The improper storage of equipment and vehicles would hasten their deterioration, and would compromise the Squadron's ability to mobilize in a timely and effective manner. Based on the aforementioned, the No Action alternative was determined to be an unacceptable option.

2.2 Design Site Plan Around Environmental Constraints

The selected alternative involves the construction/installation of a proposed storage building 60 feet by 100 feet, with a total footprint of 6,000 square feet (sq ft). The proposed building would be constructed of pre-fabricated metal, and would be placed on concrete footings with a concrete slab floor (i.e., slab-on-grade construction), rather than on a concrete basement foundation. The northeast corner of the proposed building would be located approximately 80 feet southwest of existing Building 1444. As shown in the design drawings included in Appendix A, the building would extend 60 feet southwest, and 100 feet northwest from this point. As shown on the design drawings, vehicle access to the building would be through an overhead door located on the west side of the building, and construction of a driveway is also proposed for the western side of the building. The proposed driveway would connect with an existing dirt access road.

The site plan was developed with due consideration of relevant environmental and community factors. For example, LEC Environmental Consultants conducted wetland boundary determinations and wildlife habitat evaluations (Fall 1994) for the entire base. Based on a Site visit and inspection, a review of the document prepared by LEC, and other information (e.g., MassGIS on-line information), no wetlands or

significant wildlife were identified on or adjacent to the site and the proposed site plan will result in minimal impacts to the surrounding environment and Hanscom residential and business community. The proposed building footprint is located in close proximity to several mature coniferous and deciduous trees, some of which may need to be removed prior to project construction. The area proposed for construction is currently not occupied by permanent structures. A wooden gazebo is located within or very near the proposed building footprint, but this structure is only anchored in-place and could easily be moved to a new location. A flagpole is also located within or near the proposed footprint, but could also be easily removed. Based on the need for the Storage Building and the minimal impact of the construction project, this alternative has been selected as the preferred scenario.

SECTION 3.0

PROJECT DESCRIPTION

The proposed project involves the construction/installation of a proposed storage building 60 feet by 100 feet, with a total footprint of 6,000 square feet (sq ft). The building will contain space for storage of vehicles (e.g., ATVs and forklift) and mobilization equipment, as well as office space and potentially one bathroom. The proposed building would be constructed of pre-fabricated metal, and would be placed on concrete footings with a concrete slab floor (i.e., slab-on-grade construction), rather than on a concrete basement foundation. The northeast corner of the proposed building would be located approximately 80 feet southwest of existing Building 1444. As shown in the design drawings included in Appendix A, the building would extend approximately 60 feet southwest, and 100 feet northwest from this point. Vehicle access to the building would be through an overhead door located on the west side of the building, and construction of a driveway is also proposed for the western side of the building. The proposed driveway would connect with an existing dirt access road, as shown on the Design Drawings (Appendix A).

SECTION 4.0

AFFECTED ENVIRONMENT

4.1 General Site Description

Hanscom AFB is located approximately 18 miles northwest of Boston, Massachusetts. The property presently occupied by Hanscom AFB was initially established as the Auxiliary Boston-Bedford Airport on 14 May 1941 by an act of the Great General Court of the Commonwealth of Massachusetts. On 29 June 1942, the Commonwealth of Massachusetts formally transferred the airport, containing 500 acres, to the federal government for the purpose of constructing an airfield, which was constructed and used by the Army Air Force during World War II. The Base currently contains 846 acres of which 153 acres are leased to organizations outside of the Air Force (Benham, 1991).

The proposed location of the Security Forces Storage Building is located at the northwest end of Hamilton Street in the eastern portion of HAFB in the Town of Lexington, Massachusetts. The proposed building footprint is located approximately 80 feet southwest of existing Building 1444 which houses the Military Work Dog (MWD) kennels of the 66th Security Forces Squadron. The site is presently vacant of permanent buildings, contains only a wooden gazebo (temporarily anchored to the ground) and a flagpole, and the ground surface consists primarily of grass and dirt, with no asphalt or concrete pavement.

4.2 Surficial Geology, Topography and Soils

Approximately 10,000 years ago, during the last glacial retreat, much of the area between Route 2A in Lincoln and Route 62 in Bedford was inundated by Glacial Lake Concord. This glaciation influenced the soil types and topographic features distributed throughout the Base. However human activity has dramatically impacted the natural distribution of soils and original topography and little of this glaciation can be observed today. The glaciolacustrine deposits (lakebed sediments) that formed the

bottom of Glacial Lake Concord were evenly distributed over thousands of years creating little topographic relief.

According to the *Soil Conservation Service Interim Report for Middlesex County*, (Concord Quadrangle) dated March, 1991 (3rd edition), soils on the Base and in the vicinity of the Site generally consist of a combination of Udorthents (soils altered by earth moving activities) and/or Urban Land (soils mostly covered by impervious surfaces). The remaining soils on the base are composed primarily of loamy sands or fine sandy loams associated with glaciofluvial deposits.

4.3 Wetlands and Water Quality

During the site visit performed by AES, no wetland resource areas were observed within 100 feet of the proposed activities. In addition, the Massachusetts Geographic Information System (MassGIS) web-site for wetlands (www.state.ma.us/mgis/mapping.htm or maps.massgis.state.ma.us/WETLANDS12K) which displays the 1:12,000 MADEP Wetlands datalayer, indicates that there are no wetlands within at least 500 feet of the proposed construction site. Therefore, no direct disturbance or impacts to wetland resource areas are likely to result from the proposed construction activities. Inspection of the FEMA Flood Insurance Rate Map (Community Panel # 250198 0005 C) indicates that the site is located within Zone C, designated as areas of minimal flooding.

4.4 Historical and Archeological Resources

The Public Archeology Laboratory, Inc. (PAL) conducted an Archeological Reconnaissance Survey and Soils Inspection of HAFB in November 1991. The report (PAL, Inc., 1992) documented areas of potential cultural deposition and standing structures of historical significance. No significant structures were located within the area of proposed activity, and the area was designated with "low archaeological sensitivity". Areas of potential cultural deposition and those with moderate to high archaeological sensitivity are located beyond the area of proposed activity and thereby unaffected by the proposed activities. In addition, the Massachusetts Historical Commission (MHC) has determined this project is

unlikely to affect significant historic or archaeological resources. The response from the MHC is included in Appendix B.

4.5 Threatened and Endangered Species

According to information compiled by the Massachusetts Natural Heritage and Endangered Species Program (NHESP), and presented on the MassGIS web site (www.state.ma.us/mgis/mapping.htm or maps.massgis.state.ma.us/21e), there are no certified vernal pools or NHESP Estimated Habitats of Rare Wildlife in Wetland Areas (i.e., NHESP Habitats) in the vicinity of the proposed construction site.

LEC conducted a Comprehensive Ecological Analysis of Hanscom AFB in 1994 and 1995. In the Ecological Analysis (LEC, 1995), two endangered species were identified within the confines of Hanscom AFB. The two species identified on-base were the Eastern Longhorn Elderberry Beetle and the Spotted Turtle. However, the LEC report indicates that the wetland areas where these species were identified are not located in the vicinity of the proposed project areas.

SECTION 5.0

ENVIRONMENTAL CONSEQUENCES

5.1 Wetlands and Water Quality

No wetland resource areas were observed within 100 feet of the proposed activities. In addition, the MassGIS MADEP Wetlands datalayer map indicates that there are no wetlands within at least 500 feet of the proposed construction site. Therefore, no direct disturbance or impacts to wetland resource areas are likely to result from the proposed construction activities.[†] The construction of the Storage Building is not expected to result in a significant increase in surface water runoff, or a decrease in infiltration, and is not expected to affect water quality.

5.2 Noise and Air Quality

Increases in noise levels, associated with construction, are anticipated at the site during regular daylight work hours (7:00 a.m.-4:30 p.m.). These increases in noise will persist throughout the construction process, primarily associated with regular day time work hours in order to deter from disrupting HAFB residents. Activities associated with an increase in noise levels are temporary and will cease upon completion of each workday. Although the proposed project is estimated to take approximately 2 to 3 months, increases in noise levels are not anticipated to have long term negative impacts to the environmental quality of the Hanscom community. In addition, construction activities and subsequent operation of construction equipment will result in a temporary increase in air pollutants. Construction activities will result in emissions from equipment and elevated levels of dust in the air. These impacts will be temporary and minimal to the overall air emissions on the Base. No measurable impacts to air quality are anticipated in relation to the proposed construction activities.

5.3 Terrestrial Environment

Portions of the proposed construction will temporarily disrupt the existing terrestrial environment within the project area. The surface of the area to be impacted currently consists of dirt and grass-covered open space, and a dirt access road. Existing pedestrian and vehicular circulation adjacent to the site are not anticipated to be effected during proposed construction activities.

5.4 Solid Waste Materials

The proposed construction is likely to generate solid waste materials consisting of building construction materials packaging (e.g., paper or plastic waste). The selected contractor will be responsible for compliance with Air Force and Base requirements for recycling and appropriate disposal of any non-recyclable materials. It is anticipated that such compliance will be a requirement outlined in the contract for the construction of the facilities outlined herein.

SECTION 6.0

MITIGATION MEASURES

The following mitigation measures are proposed to protect the adjacent surroundings during and following the proposed construction activities.

6.1 Wetlands

Not wetland resource areas were observed within 100 feet of the proposed activities, however an erosion and sedimentation control program will be implemented, as necessary, to prevent silt-laden runoff from entering the adjacent roadway/paved parking area and drainage system. As warranted, a siltation barrier composed of filter fabric (i.e., silt fence) will be installed within the lawn areas around the perimeter of the proposed construction area.

6.2 Noise and Air Quality

Increases in noise levels, associated with construction, are anticipated at the site during regular daylight work hours. Little can be done to mitigate short-term noise generated by construction activities. However, construction activities will be restricted to weekday hours. In addition, construction activities will result in emissions from construction equipment and elevated levels of dust in the air. If necessary, a watering truck will be utilized during construction to minimize airborne dust.

6.3 Terrestrial Environment

The current configuration and placement of the proposed Storage Building may necessitate the removal of some mature deciduous and coniferous trees. Every effort will be made to minimize the need for tree removal. Any disturbance to the grassy areas beyond the building footprint will be restored to its existing condition by placement of topsoil followed by hydro-seeding. Vehicular and pedestrian

circulation adjacent to the site are not anticipated to be effected during proposed construction activities. However, in the event that circulation patterns are disturbed, traffic will appropriately re-routed.

6.4 Solid Waste Materials

Solid waste generated from the proposed construction project will be transported to the HAFB Waste Transfer Station (Building 1855). In the event that unexpected waste material is encountered during construction, the appropriate authority will be notified. Recycling requirements for the proposed project are outlined in Section 5.4 of this report.

SECTION 7.0

COORDINATION

7.1 Initial Coordination

Coordination letters requesting comments on the proposed project were mailed on March 12, 2004 to the individuals and resource agencies listed in this section. The coordination letter included a brief explanation of the proposed work and a copy of a location map and pertinent design drawings (Appendix B). The comment period for resource agencies to respond to the coordination letters is 30 days.

Mr. Robert W. Golledge, Jr.
Commissioner
Massachusetts Department of Environmental Protection
One Winter Street, 2nd Floor
Boston, MA 02108

Mr. James Sprague
Massachusetts Department of Environmental Protection
Northeast Regional Office
Bureau of Resource Protection
Division of Watershed Management – Wetlands Program
One Winter Street
Boston, Massachusetts 02108

Mr. John Zajac
Massachusetts Department of Environmental Protection
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Division of Watershed Management
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Acting Director
Massachusetts Department of Conservation and Recreation
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Boston, MA 02114-2104

Mr. Wayne F. MacCallum
Director
Division of Fisheries & Wildlife
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Wetland Protection Section
U.S. EPA Region 1
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Endangered Species Project Analyst
Natural Heritage & Endangered Species Program
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Director, Technical Services
Massachusetts Historical Commission
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Mr. John Silva
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12 New England Executive Park
Burlington, MA 01803

Mr. Frederick A. Laskey
Executive Director
Massachusetts Water Resources Authority
100 First Avenue
Charlestown Navy Yard
Boston, MA 02129

7.2 Comments and Letters Received

The 30-day comment period to respond to the coordination letter closed on April 12, 2004. Resource agencies that did not respond within the 30-day comment period were contacted by phone, if possible, to ensure their involvement in the planning process. The following summarizes the comments, if any, which were received from each agency. Copies of agency response letters are included in Appendix B.

Mr. Robert W. Golledge, Jr.

Commissioner, MADEP: See attached response letter

Mr. James Sprague

MADEP, NERO Division of Watershed Management – Wetlands Program: No Comment

Mr. John Zajac

MADEP, NERO Division of Watershed Management: No Comment

Mr. Todd A. Frederick

Acting Director, MA Dept. of Conservation and Recreation: No Comment – Dept. defers to NHESP

Mr. Wayne F. MacCallum

Director, Division of Fisheries & Wildlife: No Comment – Division defers to NHESP

Mr. Edward Reiner

U.S. EPA Region 1, Wetland Protection Section: AES received verbal correspondence from Mr. Reiner on March 19, 2004 indicating no expected impact to wetlands.

Mr. Mike Bartlett

U.S. Fish and Wildlife Service (USFWS), New England Field Supervisor: Verbal correspondence indicated no issues with proposed construction project. USFWS will send letter to AES indicating there are no issues with proposed project.

Ms. Pat Huckery

Endangered Species Project Analyst, NHESP: Verbal correspondence on April 12, 2004 – NHESP would not likely respond via letter until approximately 3 to 4 weeks beyond end of comment period.

Ms. Brona Simon

Director, Technical Services, Mass. Historical Commission: See attached response letter

Mr. John Silva

Manager, Environmental Programs, FAA: Verbal correspondence with FAA on April 12, 2004 indicated there were no environmental issues. However, completion and submittal of FAA Form 7460-1 *Notice of Proposed Construction or Alteration* may need to be filed with the FAA.

Mr. Frederick A. Laskey

Executive Director, MWRA: No Comment

SECTION 8.0

COMPLIANCE WITH ENVIRONMENTAL FEDERAL STATUES AND EXECUTIVE ORDERS

8.1 Federal Statues

1. Preservation of Historic and Archaeological Data Act of 1974, as amended, 16 U.S.C. 469 et seq.

Compliance: Project does not require mitigation of historic or archaeological resources at this time.

2. Clean Air Act, as amended 42 U.S.C. 7401 et seq.

Compliance: Public Notice of the Availability of this report to the Regional Administrator of the Environmental Protection Agency for review pursuant to Sections 176c and 309 of the Clean Air Act signifies partial compliance.

3. Clean Water Act of 1977 (Federal Water Pollution Control Act Amendments of 1972) 33 U.S.C. 1251 et seq.

Compliance: Project does not involve alteration of wetlands.

4. Coastal Zone Management Act of 1972, as amended, 16 U.S.C. 1431 et seq.

Compliance: Project is not located within the State designated coastal zone.

5. Endangered Species Act of 1973, as amended, 16 U.S.C. 1531 et seq.

Compliance: Coordination with the U.S. Fish and Wildlife Service has yielded no formal consultation requirements pursuant to Section 7 of the Endangered Species Act.

6. Estuarine Areas Act, 16 U.S.C. 1221 et seq.

Compliance: This report is not being submitted to Congress.

7. Federal Water Project Recreation Act, as amended, 16 U.S.C. 4601-12 et seq.

Compliance: Public Notice of Availability of this report signifies compliance with this Act.

8. Fish and Wildlife Coordination Act, as amended, 16 U.S.C. 661 et seq.

Compliance: Coordination with the FWS and MA DEP signifies compliance with the Fish and Wildlife Coordination Act.

9. Land and Water Conservation Fund Act of 1965, as amended, 16 U.S.C. 4601-4 et seq.

Compliance: Public Notice of the availability of this report signifies compliance with this Act.

10. Marine Protection, Research, and Sanctuaries Act of 1972, as amended, 33 U.S.C. 1401 et seq.

Compliance: Project does not involve the transportation nor disposal of dredged material in ocean waters pursuant to Sections 102 and 103 of the Act, respectively.

11. National Historic Preservation Act of 1966, as amended, 16 U.S.C. 470 et seq.

Compliance: Coordination with the State Historic Preservation Office (Massachusetts Historical Commission) determined that no historic or archaeological resources would be affected by the proposed project.

12. National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321 et seq.

Compliance: Preparation of this report signifies partial compliance with NEPA. Full compliance shall be noted at the time the Finding of No Significant Impact is issued.

13. Rivers and Harbors Act of 1899, as amended, 33 U.S.C. 401 et seq.

Compliance: Project does not involve activities regulated by this Act.

14. Watershed Protection and Flood Prevention Act, as amended, 16 U.S.C. 1001 et seq.

Compliance: Public Notice of the availability of this report signifies compliance with this Act.

15. Wild and Scenic Rivers Act, as amended, 16 U.S.C. 1271 et seq.

Compliance: Public Notice of the availability of this report signifies compliance with this Act.

8.2 Executive Orders

1. Executive Order 11988, Floodplain Management, 24 May 1977 amended by Executive Order 12148, 20 July 1979.

Compliance: Public Notice of the availability of this report for public review fulfills the requirements of Executive Order 11988, Section 2 (a)(2).

2. Executive Order 11990, Protection of Wetlands, 24 May 1977.

Compliance: No wetland resource areas are located on or adjacent to the site.

3. Executive Order 12114, Environmental Effects Abroad of Major Federal Actions, 4 January 1979.

Compliance: Project is located within the United States.

8.3 Executive Memorandum

1. Analysis of Impacts on Prime or Unique Agricultural Lands in Implementing NEPA, 11 August 1980.

Compliance: Project does not involve nor impact agricultural lands.

SECTION 9.0
REFERENCES

Benham Group, 1991. *Base Comprehensive Plan: Hanscom Air Force Base, Massachusetts.* HA86-0370/F19650-86-C0074. Vols. I & II.

LEC Environmental Consultants, Inc. 1995 (revised August 1997). *Comprehensive Ecological Analysis, Hanscom Air Force Base.* Hanscom Air Force Base, Massachusetts. Volumes I and II.

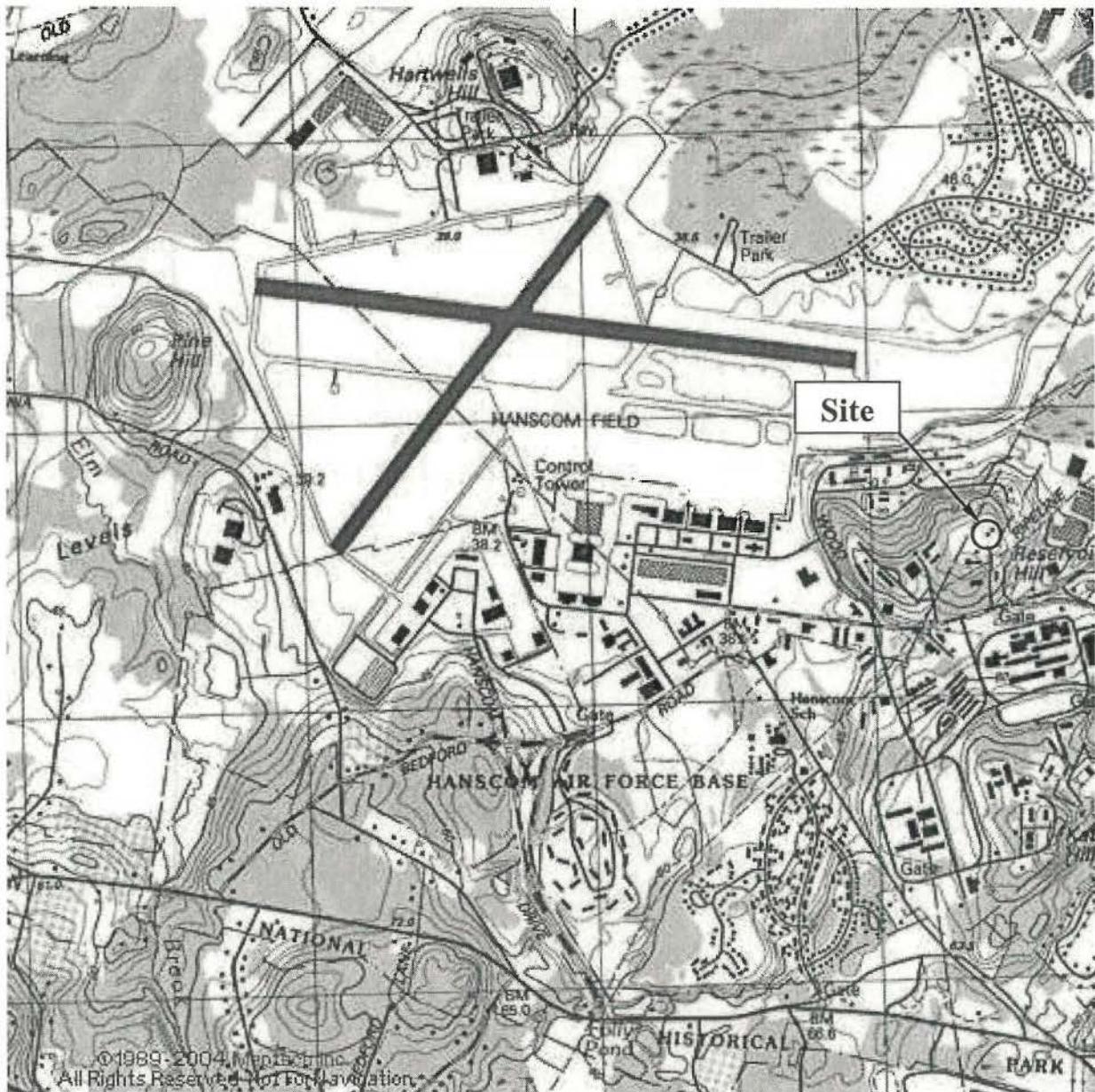
Middlesex Conservation District, March 1991. *Soil Conservation Service Interim Report for Middlesex County* (3rd Edition), 122 pp.

Public Archaeology Laboratory, Inc., April 1992. *Archaeological Reconnaissance Survey and Soils Inspection of Hanscom Air Force Base, Bedford, Lexington and Lincoln, Massachusetts. PAL, Inc. Report No. 445 (revised).* Prepared by Marsha K. King, Edna Feighner and Duncan Ritchie. Prepared for the Benham Group, Inc., Oklahoma City, OK.

APPENDIX A

FIGURES

Figure developed from USGS- Maynard, MA Quad, 1:25,000



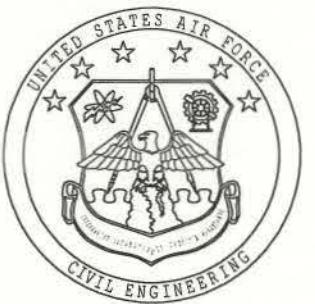
Advanced Environmental
Solutions, Inc.

90 Madison St, Suite 303, Worcester, MA 01608
Phone: 508 363-4882
Fax: 508 363-4883

LOCUS MAP

Property:
HANSOM AFB
LINCOLN, MASSACHUSETTS

| APPRX. SCALE | PROJECT | FILE | FIGURE | PRINT DATE |
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| 1"=2000 | EA | Hanscom | 1 | 2/23/04 |



Department of the Air Force

Air Force Materiel Command

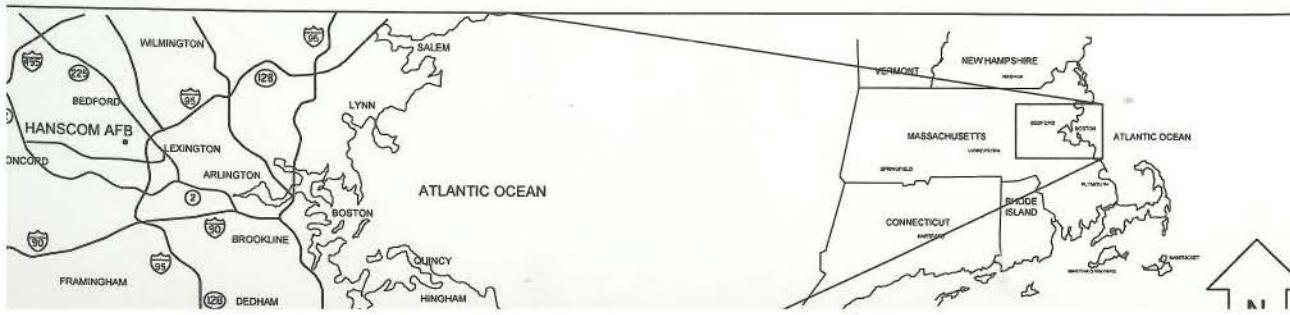
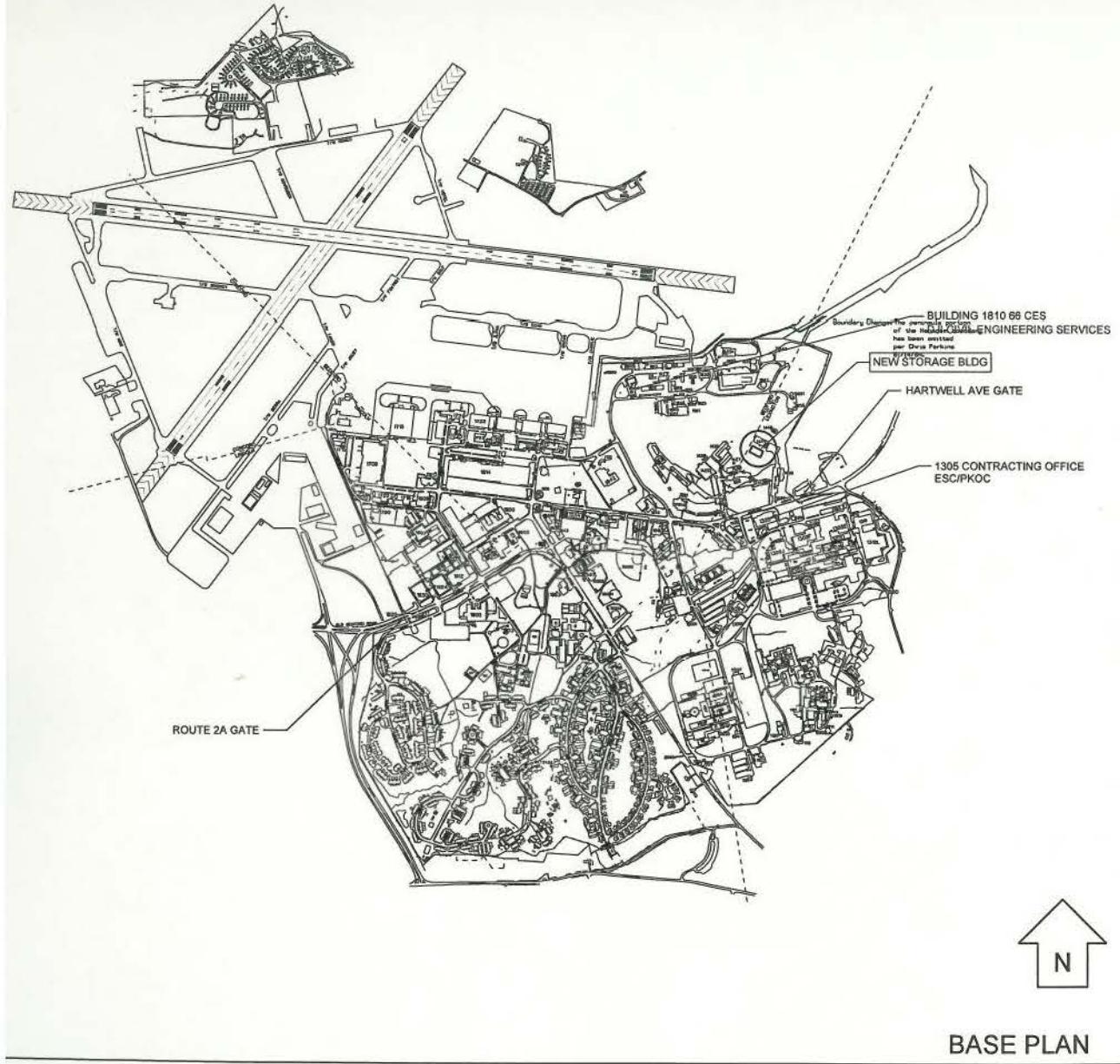
NEW STORAGE BUILDING

Hanscom Air Force Base, Massachusetts

Project Number: MXRD 03-0056

Solicitation Number:

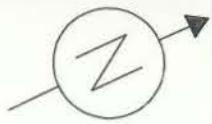
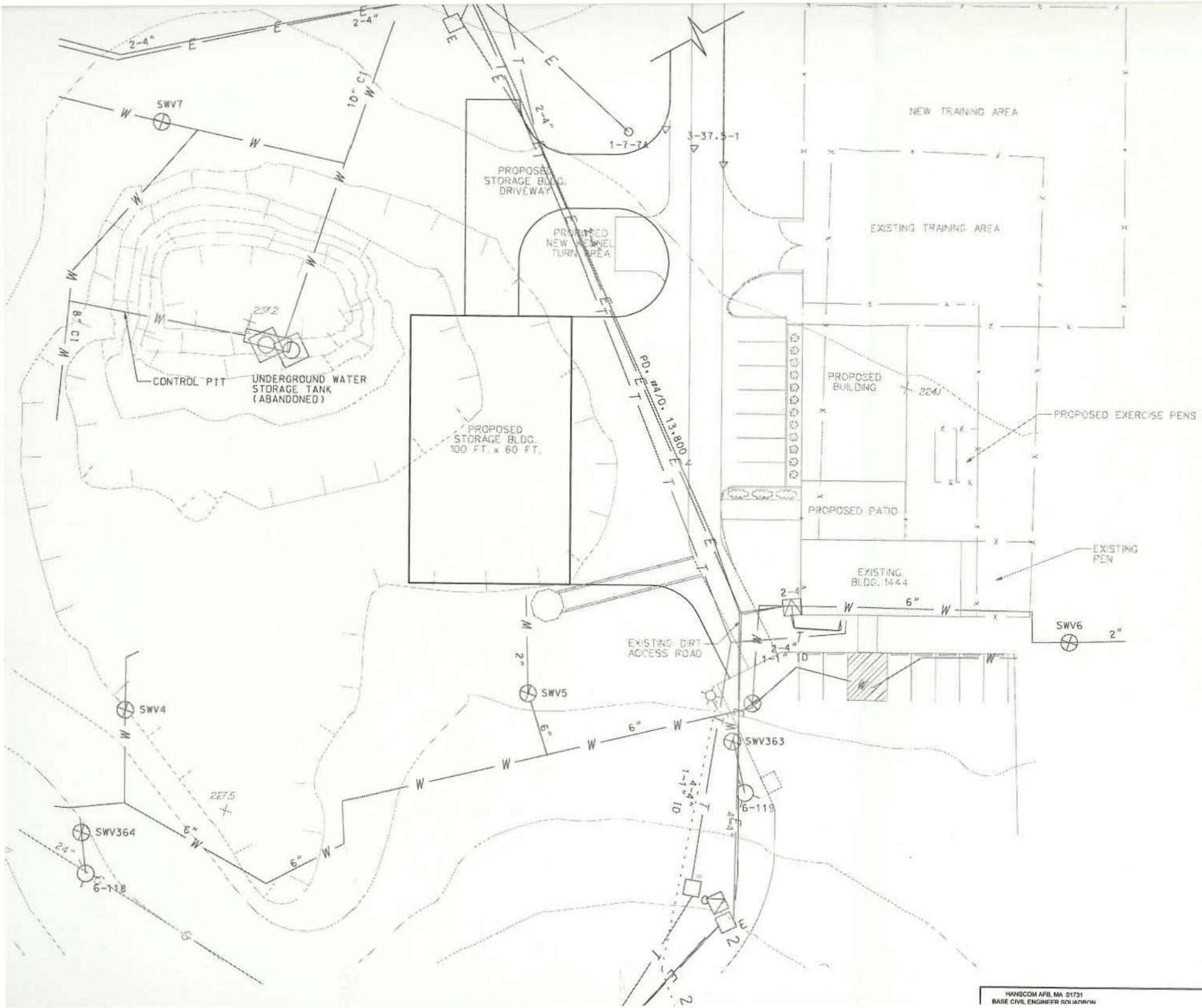
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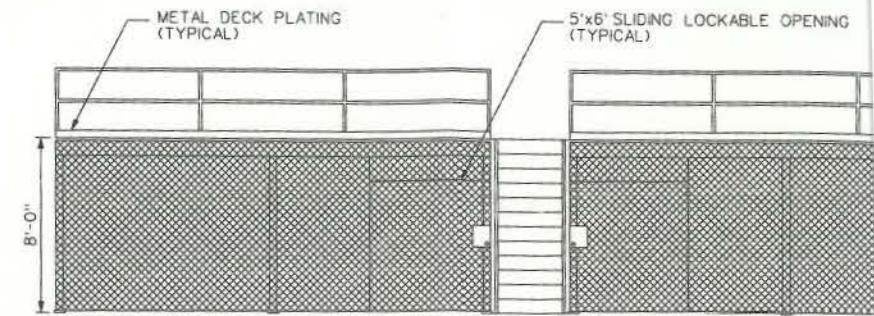
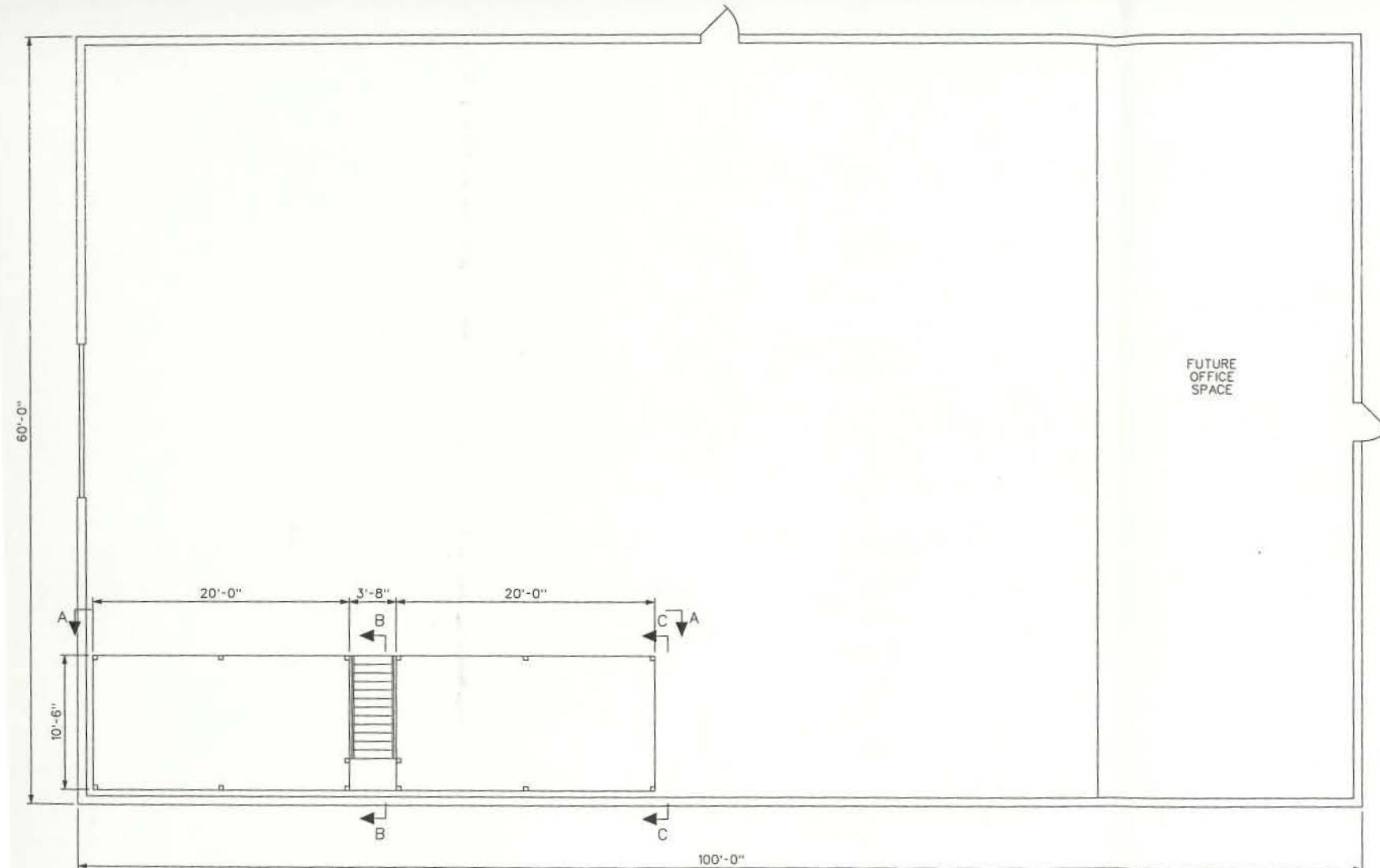
INDEX

| DRAWING NO. | SHEET NO. | |
|-------------|-----------|-------------------------|
| T-1 | 1 | TITLE SHEET |
| T-2 | 2 | BASE PLAN DRAWING INDEX |
| C-1 | 3 | SITE PLAN |
| A-1 | 4 | FLOOR PLAN |
| A-2 | 5 | ELEVATIONS |
| A-3 | 6 | SECTION FRAMING |
| M-1 | 7 | HVAC (TBD) |
| E-1 | 8 | ELECTRICAL (TBD) |

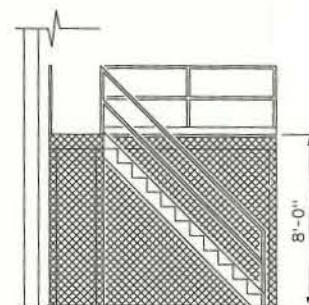
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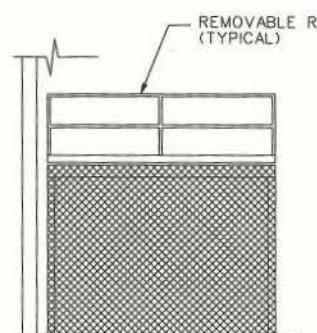
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SECTION A-A
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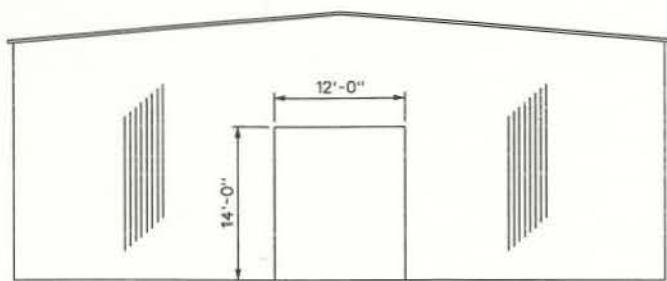


SECTION B-B
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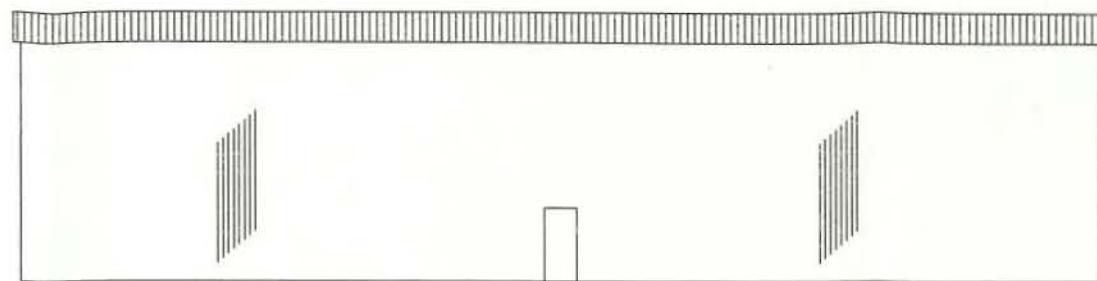


SECTION C-C
SCALE: $\frac{1}{4}''=1'-0''$

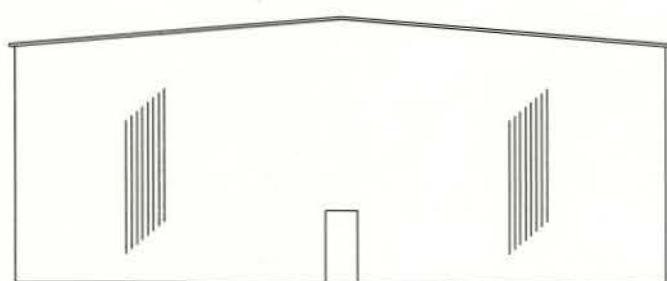
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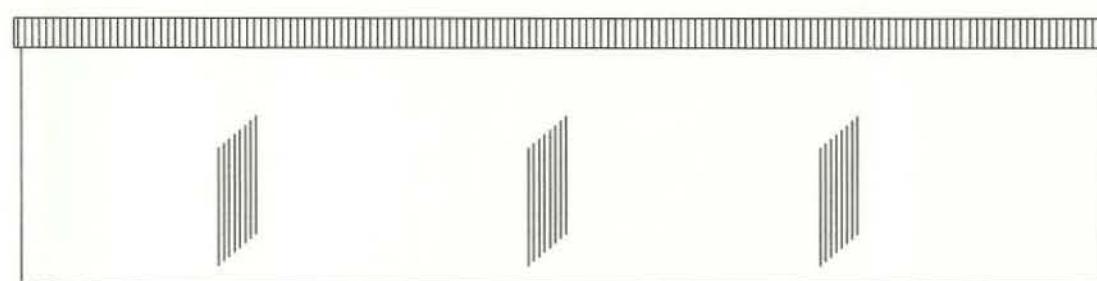
WEST ELEVATION



NORTH ELEVATION

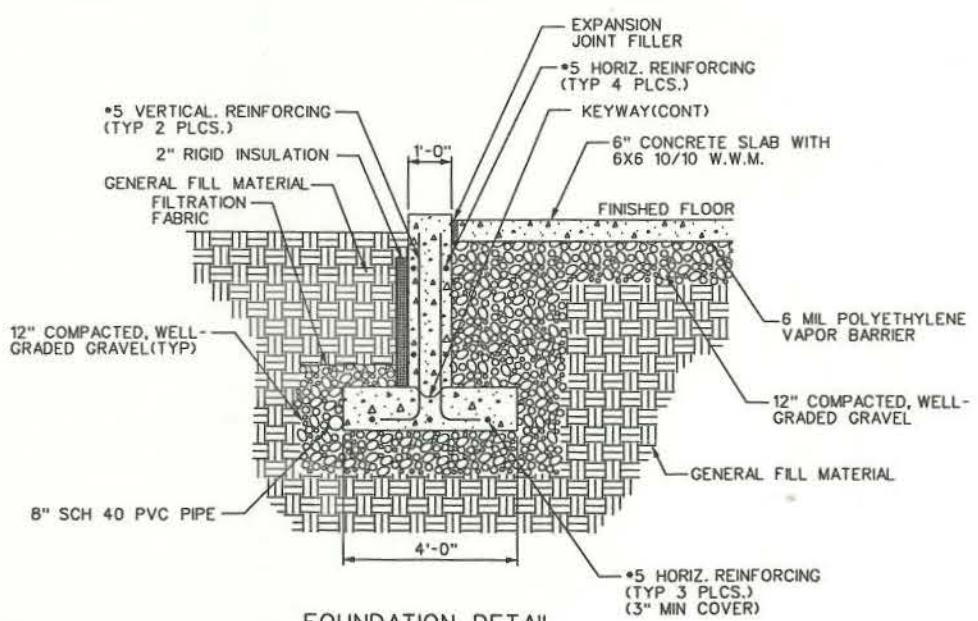
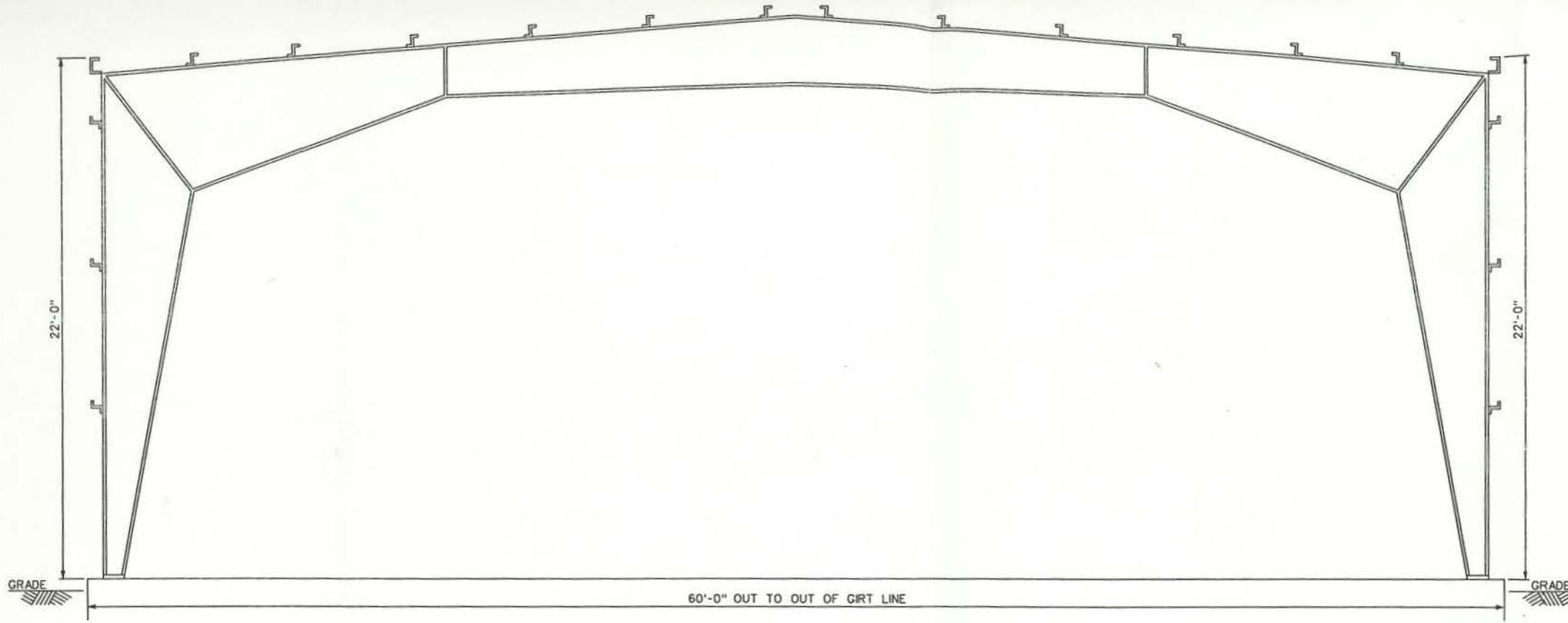


EAST ELEVATION



SOUTH ELEVATION

35% SUBMITTAL



35% SUBMITTA

APPENDIX B

COORDINATION LIST, EXAMPLE COORDINATION LETTER AND RETURN CORRESPONDENCE

**Coordination List
Environmental Assessment
Security Forces Storage Building Project
Hanscom AFB, Massachusetts**

Mr. Robert W. Golledge, Jr.
Commissioner
Massachusetts Department of Environmental Protection
One Winter Street, 2nd Floor
Boston, MA 02108

Mr. James Sprague
Massachusetts Department of Environmental Protection
Northeast Regional Office
Bureau of Resource Protection
Division of Watershed Management – Wetlands Program
One Winter Street
Boston, Massachusetts 02108

Mr. John Zajac
Massachusetts Department of Environmental Protection
Northeast Regional Office
Bureau of Resource Protection
Division of Watershed Management
One Winter Street
Boston, Massachusetts 02108

Mr. Todd A. Frederick
Acting Director
Massachusetts Department of Conservation and Recreation
251 Causeway Street, Suite 600
Boston, MA 02114-2104

Mr. Wayne F. MacCallum
Director
Division of Fisheries & Wildlife
251 Causeway St, Suite 400
Boston, MA 02114-2152

Mr. Edward Reiner
Wetland Protection Section
U.S. EPA Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Mr. Mike Bartlett
New England Field Supervisor
U.S. Fish and Wildlife Service
70 Commercial Street, Suite 300
Concord, NH 03301-5087

Ms. Pat Huckery
Endangered Species Project Analyst
Natural Heritage & Endangered Species Program
Massachusetts Division of Fisheries and Wildlife
North Drive
Westborough, MA 01581

Ms. Brona Simon
Director, Technical Services
Massachusetts Historical Commission
220 Morrissey Boulevard
Boston, MA 02125-3314

Mr. John Silva
Manager, Environmental Programs
Federal Aviation Administration, ANE-600
12 New England Executive Park
Burlington, MA 01803

Mr. Frederick A. Laskey
Executive Director
Massachusetts Water Resources Authority
100 First Avenue
Charlestown Navy Yard
Boston, MA 02129

March 11, 2004

Certified Mail

Name

Address

City, State, Zip Code

**RE: Proposed Construction of Security Forces Storage Building
Hanscom AFB, Massachusetts**

Dear ----- :

On behalf of the United States Air Force (USAF), Advanced Environmental Solutions, Inc. (AES) is preparing an Environmental Assessment for the construction of a Security Forces Storage Building at the Hanscom Air Force Base Installation (Hanscom AFB) in Lincoln, Massachusetts. The purpose of this letter is to request your comments on the proposed project. The following narrative briefly describes the proposed project. A Site Locus Map and project layout (portion of design plans) are attached for your review and use.

The project consists of constructing a 6,000 square foot (sq ft) Vehicle Storage Building at the north end of Hamilton Street in the eastern portion of Hanscom AFB, adjacent to existing Building 1444. Building 1444 currently houses the 66th Security Forces Squadron and the Military Work Dog (MWD) Kennels. The proposed building will measure 60 feet by 100 feet, and will be constructed on a portion of land currently unoccupied by permanent buildings. The building will be constructed "slab-on-grade" with footings, and without a basement. A driveway for vehicle access to the building will be located adjacent to the west edge of the building. The purpose of the building is to store All-Terrain Vehicles (ATVs) and other vehicles and equipment critical to the mission of the 66th Security Forces Squadron. The 66th Security Forces Squadron currently has no storage facility for critical vehicles and equipment scheduled for delivery in 2004.

AES is evaluating the physical, biological and socioeconomic impacts associated with alternative Site layouts including adjacent land use, site utilities and environmental impacts to determine the optimal layout for the proposed project.

If you have any questions regarding this project, feel free to contact Bill Picard or Phil Smith of AES at (508) 363-4882.

Sincerely,

ADVANCED ENVIRONMENTAL SOLUTIONS, INC.

Philip M. Smith, PG
Technical Director

Attachments: Site Locus Map
Project Layout (portion of design plans)

C:\AES-Technical PMS\Hanscom - Maratech\EA Report - Vehicle Bldg\VSF Ltr- example.doc



Advanced Environmental
Solutions, Inc.

A Service-Connected, Disabled Veteran Owned and HUBZone Certified Firm

March 11, 2004

After review of MHC files and the materials you submitted, it has been determined that this project is unlikely to affect significant historic or archaeological resources.

Certified Mail

Eric S. Johnson 3/22/04
Eric S. Johnson
Archaeologist/Preservation Planner
Massachusetts Historical Commission

Ms. Brona Simon
Director, Technical Services
Massachusetts Historical Commission
220 Morrissey Boulevard
Boston, MA 02125-3314

RECEIVED

MAR 15 2004

MASS. HIST. COMM

**RE: Proposed Construction of Security Forces Storage Building
Hanscom AFB, Massachusetts**

Dear Ms. Simon:

On behalf of the United States Air Force (USAF), Advanced Environmental Solutions, Inc. (AES) is preparing an Environmental Assessment for the construction of a Security Forces Storage Building at the Hanscom Air Force Base Installation (Hanscom AFB) in Lincoln, Massachusetts. The purpose of this letter is to request your comments on the proposed project. The following narrative briefly describes the proposed project. A Site Locus Map and project layout (portion of design plans) are attached for your review and use.

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3/25/04*

Coordination Letter to MA Historical Commission
Security Forces Storage Building
Hanscom AFB
Page 2 of 2

AES is evaluating the physical, biological and socioeconomic impacts associated with alternative Site layouts including adjacent land use, site utilities and environmental impacts to determine the optimal layout for the proposed project.

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Sincerely,

ADVANCED ENVIRONMENTAL SOLUTIONS, INC.



Philip M. Smith, PG
Technical Director

Attachments: Site Locus Map
Project Layout (portion of design plans)

C:\AES-Technical PMS\Hanscom - Maratech\EA Report - Vehicle Bldg\VSF Ltr-MA Hist Comm.doc



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

ELLEN ROY HERZFELDER
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

March 22, 2004

Philip M. Smith
Advance Environmental Solutions, Inc.
90 Madison Street – Suite 303
Worcester, MA 01608

RE: Proposed construction at Hanscom AFB

Dear Mr. Smith:

Commissioner Robert Gollege of the Massachusetts Department of Environmental Protection asked me to respond to your two March 11, 2004 letters describing proposed construction activity at the Hanscom Air Force Base in Lincoln, Massachusetts. As described in your letters, sent on behalf of the United States Air Force, one project will involve the construction of a 2,400 square foot addition to the existing MWD Kennel Building and extending fencing around the exterior of the existing dog training area. The purpose of the building addition and new training area is to provide support to the 66th Security Force Squadron, and to provide more appropriate training and kennel facilities. The second project involves the construction of a 6,000 square foot Vehicle Storage Building at the north end of Hamilton Street on a site adjacent to the existing MWD Kennel Building. As proposed, the building would store All-Terrain Vehicles and other vehicles and equipment critical to the mission of the 66th Security Force Squadron.

As noted in your letters, AES is preparing an environmental assessment of the proposed projects, including an evaluation of the physical, biological and socioeconomic impacts. Your letters request any comments the Departments may have in response to the proposed projects.

In reviewing the description of the proposed projects, the Department notes the letters contain no information about whether the proposed building will have a water supply, sanitary facilities, or oil/gas storage areas. The site plan and description of the proposed project site makes no mention of the possible existence of wetlands, vernal pools, contaminated soil on the site or other features the Department typically considers in evaluating construction projects. Nonetheless, based on the limited information provided in your letters, it would appear the

This information is available in alternate format. Call Debra Doherty, ADA Coordinator at 617-292-5565. TDD Service - 1-800-298-2207.

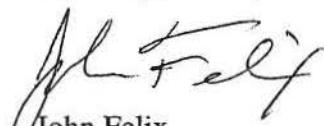
DEP on the World Wide Web: <http://www.mass.gov/dep>
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proposed projects would have limited environmental impact and would probably not require any permits from the Department. However, please be advised the Department review of proposed projects generally does not include direct potential biological nor socioeconomic impacts. In addition, the Department recommends you also contact local and federal officials to determine if permits under their jurisdiction may be needed to proceed with these projects.

The Department appreciates the opportunity to comment of these proposed projects. If you have any questions regarding these comments, please contact me at 617-348-4045.

Sincerely,



John Felix
Deputy Associate Commissioner

APPENDIX C
PUBLIC NOTICE

THE BOSTON GLOBE APRIL 8, 2004

ENVIRONMENTAL ASSESSMENTS - MILITARY WORK DOG KENNEL PROJECT and SECURITY FORCES STORAGE BUILDING, HANSOM AIR FORCE BASE. Interested parties are hereby notified that on behalf of the United States Air Force, Advanced Environmental Solutions, Inc. (AES) is preparing Environmental Assessments for the following projects: 1) Construction of an outdoor training area and building addition to the existing Military Work Dog (MWD) Kennel building (Building 1444), and 2) construction of a Security Forces Storage Building adjacent to existing Building 1444. Each of the projects is located on Hanscom Air Force Base property. This Environmental Assessments were prepared under the Policy Act of 1969, as amended, and all other applicable federal environmental regulations. The documents meet the provisions of Air Force Instruction 32-7061, effective 24 January, 1995, implementing the tasks and procedures for the Air Force Environmental Impact Analysis process (EIAP). No wetland resources are located within 100 feet of the proposed activities. If you have any questions regarding the Environmental Assessments or would like a copy of either document, please contact the AES at (508) 363-4882.

APPENDIX D
FINDING OF NO SIGNIFICANT IMPACT

Finding of No Significant Impact
Security Forces Storage Building Project
Hanscom Air Force Base, Massachusetts

The proposed construction a 6,000 square foot (approximate area of building footprint) Security Forces Storage Building adjacent to the existing Military Work Dog (MWD) Kennel building (Building 1444) has been determined to have no significant impact on the environment. The anticipated impacts will occur to existing terrestrial environments consisting of seeded lawn and dirt access road areas. No wetland resource areas or significant wildlife habitat are located on or adjacent to the site. This assessment has been prepared in accordance with the National Environmental Policy Act of 1969 and all applicable environmental statutes and executive orders. The public notice was placed in the Boston Globe newspaper on 8 April 2004. Revisions to the storm water system design were finalized in February 2005. My determination of a Finding of No Significant Impact is based on the Environmental Assessment and the following considerations:

- a) The construction of the building addition and outdoor training area will result in temporary and highly localized impacts to the landscape within the project area.
- b) The project does not involve alteration of wetlands. No wetland resource areas are located on or adjacent to the project area.
- c) Construction activities will contribute to a localized increase in noise and air emission levels in the project area; however no measurable impacts are anticipated. These increases will cease upon completion of construction activities.
- d) No Federally listed or proposed, threatened and endangered species are known to occur in the project area.
- e) No archeological or historical resources will be affected by this project.

Based on my review and evaluation of the environmental effects as presented in the Environmental Assessment, I have determined that the proposed construction of the Security Forces Storage Building at Hanscom AFB, considering the environmental mitigation, is not a major Federal action significantly affecting the quality of the human environment. Therefore, I have determined that this project is exempt from the requirements of the National Environmental Policy Act of 1969, as amended, to prepare an Environmental Impact Statement.

2/17/2005

Date


Chris L. Perkins, PE
Chief, CE Government Organization

